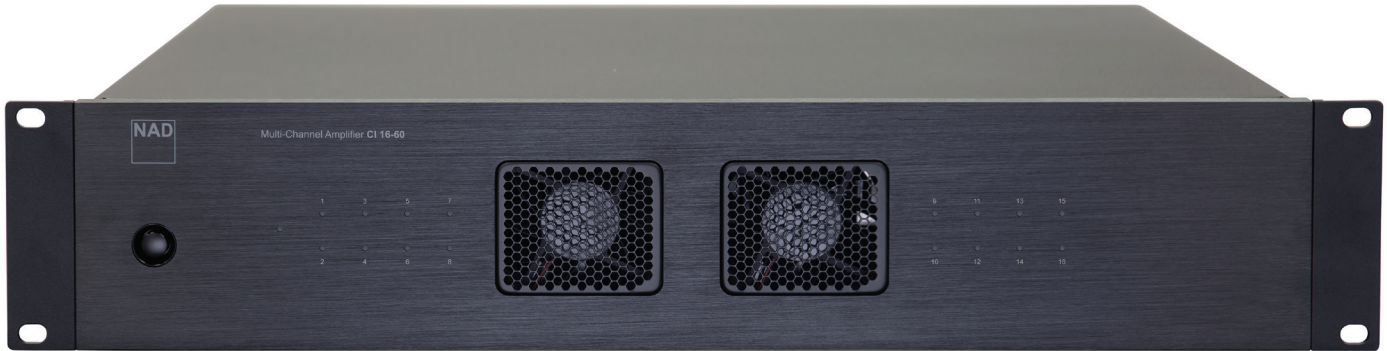




CI 16-60 DSP



The CI 16-60 DSP is a highly versatile, robust amplifier built for the demands of professional installations. The CI 16-60 delivers a conservative 60 watts per channel at 8 ohms into all of its 16 channels with each pair of channels bridgeable to 140 watts per channel if more power is desired. The hybrid digital amplifier platform delivers stable and efficient power with high current capability all in a 2U rack space. The CI 16-60 DSP uses a customized version of the proven Hypex UcD output stage to deliver great load invariant power with extremely low distortion and noise in the audible range. Every detail of this design has been carefully executed to wring out the best possible performance. Designed to deal with the demands of the custom installation world, the CI 16-60 can effortlessly handle long cable runs and difficult speaker loads.

The CI 16-60 DSP is a network-controlled amplifier which allows the installer to configure and calibrate via a web-based user interface. This user interface offers access to multi-channel digital signal processing (DSP) providing detailed equalisation control. A virtual patch bay permits any input to be routed to any, or multiple outputs without the need to create physical connections. In addition, the UI offers insight into temperature and power status, as well as basic troubleshooting functions like power cycling, factory resetting and updating. Rounding out the CI 16-60's impressive feature set are loop through jacks on all the inputs making it easy to daisy chain sources to multiple amplifiers for larger installations.

FEATURES & DETAILS

Platform accessed through IP control

Custom web app manages DSP calibration, IP control and more

16 Channels x 60 Watts @ 8 ohm

Bridgeable - any consecutive channel pair bridgeable to 2 x 140 Watts @ 8 ohm

Renowned NAD sonic signature

Effectively handles long cable runs and difficult speaker loads

Global Input/Output and Individual Channel Input and Output

2U Rack height

0.5W Standby Mode, 3W

Network Standby

12V Trigger In; IR In/Out

Multiple Power-up options as well as Eco Mode

Universal AC Power Supply



Specifications CI 16-60 ▾

GENERAL

Continuous output power into 8 ohms	>60 W (all channels driven, 1kHz 0.05% THD)
into 4 ohms	>65 W (two channels driven, 1kHz 0.05% THD)
Continuous output power into 8 ohms at Bridged mode	>65 W (all channels driven, 1kHz 0.05% THD)
THD (1 W to 50 W, 8 ohms and 4 ohms)	>105 W (two channels driven, 1kHz 0.05% THD)
Signal-to-Noise Ratio	>140 W (all channels driven, 1kHz 0.05% THD)
Clipping power (all channels driven)	>240 W (two channels driven, 1kHz 0.05% THD)
Clipping power into 8 ohms at Bridged mode	<0.05 % (20 Hz – 3 kHz)
IHF dynamic power (all channels driven)	<0.2 % (3kHz – 20 kHz)
IHF dynamic power (two channels driven)	>80 dB (A-weighted, 500 mV input, ref. 1 W out in 8 ohms)
IHF dynamic power (Bridged mode, all channels driven)	>60 W (1 kHz 8 ohms 1 % THD)
IHF dynamic power (Bridged mode, two channels driven)	>80 W (1 kHz 4 ohms 1 % THD)
Peak output current	>150 W (1 kHz 1 % THD - all channels driven)
Damping factor	>250 W (1 kHz 1 % THD - two channels driven)
Frequency response	8 ohms: 65 W
Channel separation	4 ohms: 125 W
Maximum undistorted input level	8 ohms: 70 W
Input sensitivity (for 50 W in 8 ohms, maximum volume)	4 ohms: 125 W
Input impedance	8 ohms: 270 W
Analog input audio sense threshold (one channel with signal)	8 ohms: 280 W
Trigger IN level	>15 A (1 ohm, 1 ms)
Standby power	>110 (20 Hz to 1 kHz 8 ohms)
	±1dB (20 Hz - 20 kHz)
	>60 dB (1 kHz)
	>55 dB (10 kHz)
	2900 mV
	760 mV
	20 kohms//220pF
	3 ± 0.5 mVrms (ref. 100 Hz - 10 kHz)
	3 - 30 Vdc
	0.5W

DIMENSIONS AND WEIGHT

Gross dimensions (W x H x D) *	483 x 100 x 435 mm
	19 1/16 x 3 15/16 x 17 3/16 inches
Net weight	10.3 kg (22.7 lbs)
Shipping weight	12.8 kg (28.2 lbs)

* - Gross dimension includes extended rear panel terminals and excludes installed feet

Specifications are subject to change without notice. Check out www.NADelectronics.com for updated documentation or latest information about CI 16-60.

